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Title:

JP10237362A2: ELECTRODEPOSITION COATING MATERIAL AND

ELECTRODEPOSITION COATING

PDerwent Title:

Electrodeposition coating - contains an aqueous colloidal solution dispersing inorganic oxide colloidal particles containing an antimicrobial metal component and an anionic electrodeposition coating [Derwent Record]

© Country:

JP Japan

% Kind:

§Inventor:

KINO KATSUHIRO; TANAKA ATSUSHI:

Assignee:

CATALYSTS & CHEM IND CO LTD

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Published / Filed:

1998-09-08 / 1997-02-26

Application

JP1997000058479

Number: FIPC Code:

Advanced: A01N 59/16; B05D 5/00; B05D 7/24; C09D 5/14; C09D 5/44;

C25D 13/10;

Core: more...

IPC-7: A01N 59/16; B05D 5/00; B05D 7/24; C09D 5/14; C09D 5/44;

C25D 13/10;

Priority Number:

1997-02-26 JP1997000058479

P Abstract:

PROBLEM TO BE SOLVED: To obtain an electrodeposition coating material capable of imparting a long-term excellent antimicrobial properties to a coating surface of a conductor material, and further forming a coating membrane excellent in appearance and adhesion, and useful for antimicrobial coating of a building material, fittings, etc., by adding an aqueous colloid solution of a specific antimicrobial inorganic oxide to a specified electrodeposition coating material.

SOLUTION: This electrodeposition coating material comprises (A) an aqueous colloid solution dispersing inorganic oxide colloid particles such as silica, alumina, titania and a composite oxide thereof, containing an antimicrobial metal component such as silver, copper and zinc [e.g. the one having ≤500nm average particle diameter and 0.05-25wt.% antimicrobial metal component content in terms of oxide] and (B) anion type electrodeposition coating material, and is regulated so that the ζ-potential of the colloid particles in the component A may be ≤-2mV within a pH range of 7.0-9.0 of the component A. The coating material preferably contains 0.1-20wt.% component B in the component A.

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None

Other Abstract

CHEMABS 129(19)246616C CAN129(19)246616C DERABS C98-537693

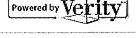
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